

## SPECIFYING CROSSARMS

### Product Introduction

A treated wood Crossarm is a beam typically not less than 100 mm (4 inches) square and is fastened at right angles to a utility pole. In this way power and service cables can be strung along the same utility service corridor. The information in this guide will identify the requirements for Crossarms as specified in the CSA O80 Standard. The processing and treatment of Crossarms shall be done in accordance with CSA O80.2-08, section 9.1

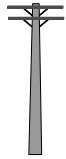
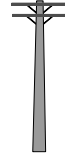
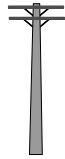
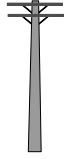
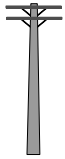
### Allowable Wood Species and Related Use Categories

Although Crossarms are not in ground contact they are subject to substantial vertical loads and there long term performance is important to the integrity of the utility lines. Therefore, under general conditions crossarms have a use category rating of 3.2 and where the conditions are critical a Use Category rating of 4.1. Crossarms are physically manufactured in accordance to a variety of specifications as indicated by the purchaser.

| Crossarms – End Use by Species   |                                 |   |
|--|---------------------------------|---|
| Species Group  | End Use                         |   |
|  | General Above Ground - Exterior | Critical or hard to Replace Above Ground - Exterior |
| Jack, Lodgepole, Red*, and Southern Pine*                              | 3.2                             | 4.1   |
| Western Hemlock  | 3.2                             | 4.1   |
| Coastal and Interior Douglas Fir                                       | 3.2                             | 4.1   |
| Western Larch  | 3.2                             | 4.1   |
| Yellow Cypress   | 3.2                             | 4.1   |
| *these species may not be used for non-pressure treated sawn crossarms |                                 |   |

### Allowable Treatment Preservatives

All allowable species may be treated with one of the following preservatives. Wood preservatives require registration under the Federal Pest Control Act. Only preservatives that are currently registered are listed.



## SPECIFYING CROSSARMS

WPC-01-2012, Page 2 of 2

| Preservative   | Preservative Abbreviation | Pressure | Thermal | Relevant Standards      |
|--|---------------------------|----------|---------|-------------------------|
| Copper Naphthenate†  | CuN                       | √        |         | CSA O80.4, AWPA P8 & P9 |
| Creosote   | CR                        | √        | √       | AWPA P1 and P13         |
| Pentachlorophenol, Solvent A                               | PCP-A                     | √        | √       | CSA O80.4, AWPA P8 & P9 |
| Pentachlorophenol, Solvent C                               | PCP-C                     | √        | √       | CSA O80.4, AWPA P8 & P9 |
| Ammoniacal Copper Zinc Arsenate                            | ACZA                      | √        |         | AWPA P5                 |
| Copper Azole φ   | CA-B                      | √        |         | AWPA P5                 |
| Chromate Copper Arsenate, Type C                           | CCA                       | √        |         | AWPA P5                 |
| † used to treated Coastal and Interior Douglas Fir only    |                           |          |         |                         |
| Φ cannot be used to treat western larch and yellow cypress |                           |          |         |                         |